

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims:

1. (Currently Amended) A portable wireless communication apparatus comprising:

an antenna composed of:

a first ground conductor;

a second ground conductor;

connection means that is substantially flat configured so that having both a
conductor line for supplying a high frequency signal to either one of said first ground
conductor and said second ground conductor and signal lines for electrically connecting
prescribed circuits respectively on said first ground conductor and said second ground
conductor and a conductor line for supplying a high frequency signal to either one of said
first ground conductor and said second ground conductor are integrated with each other
through an insulator to electrically connect said first ground conductor and said second
ground conductor together; and

a feeder having one end connected to a part of said connection means and the
other end connected to a feed point mounted to either one of said first ground conductor
and said second ground conductor to effect feeding thereto.

2. (Original) The portable wireless communication apparatus according to claim 1, wherein said connection means is a flexible printed circuit board.

3. (Original) The portable wireless communication apparatus according to claim 2, wherein said conductor line is in a form of a plated layer.

4. (Original) The portable wireless communication apparatus according to claim 2, wherein said conductor line is layered at least on a surface of said flexible printed circuit board in a thickness direction thereof.

5. (Original) The portable wireless communication apparatus according to claim 2, wherein said conductor line is provided at least along an edge of said flexible printed circuit board in a longitudinal direction thereof.

6. (Original) The portable wireless communication apparatus according to claim 2, wherein the opposite connection ends of said flexible printed circuit board are respectively connected to the vicinity of one edge of said first ground conductor and of the confronting one edge of said second ground conductor.

7. (Original) The portable wireless communication apparatus according to claim 1, further comprising
a first casing; and

a second casing connected to said first casing through a hinge part in a freely foldable manner;

wherein said first casing incorporates said first ground conductor; said second casing incorporates said second ground conductor; and said hinge part incorporates at least a part of said connection means.

8. (Currently Amended) A portable wireless communication apparatus comprising:

an antenna composed of:

a first ground conductor;

a second ground conductor;

connection means that is substantially flat configured so that having both a conductor line for supplying a high frequency signal to either one of said first ground conductor and said second ground conductor and signal lines for electrically connecting circuits respectively on said first ground conductor and said second ground conductor and a conductor line for supplying a high frequency signal to either one of said first ground conductor and said second ground conductor are integrated with each other through an insulator to electrically connect said first ground conductor and said second ground conductor together; and

a feeder having one end connected to a part of either one of said first ground conductor and said second ground conductor and the other end connected to a feed point mounted to the other ground conductor to effect feeding thereto.

9. (Original) The portable wireless communication apparatus according to claim 8, wherein said connection means is a flexible printed circuit board.

10. (Original) The portable wireless communication apparatus according to claim 9, wherein said conductor line is in a form of a plated layer.

11. (Original) The portable wireless communication apparatus according to claim 9, wherein said conductor line is layered at least on a surface of said flexible printed circuit board in a thickness direction thereof.

12. (Original) The portable wireless communication apparatus according to claim 9, wherein said conductor line is provided at least along an edge of said flexible printed circuit board in a longitudinal direction thereof.

13. (Original) The portable wireless communication apparatus according to claim 9, wherein the opposite connection ends of said flexible printed circuit board are respectively connected to the vicinity of one edge of said first ground conductor and of the confronting one edge of said second ground conductor.

14. (Original) The portable wireless communication apparatus according to claim 9, wherein one end of said flexible printed circuit board is connected to the vicinity of one edge of the ground conductor having the feed point from out of one edge of said first ground conductor and the confronting one edge of said second ground conductor, with the other end of

said flexible printed circuit board being connected to the vicinity of the other edge at the side opposite to said one edge of the ground conductor to which feeding is effected.

15. (Original) The portable wireless communication apparatus according to claim 9, wherein one end of said flexible printed circuit board is connected to the vicinity of one edge of the ground conductor having the feed point from out of one edge of said first ground conductor and the confronting one edge of said second ground conductor, with the other end of said flexible printed circuit board being connected to an intermediate part between said one edge of the ground conductor to which feeding is effected and the other edge at the side opposite to said one edge.

16. (Original) The portable wireless communication apparatus according to claim 15, wherein an additional flexible printed circuit board electrically connected to said flexible printed circuit board is provided to extend from said intermediate part to said other edge.

17. (Original) The portable wireless communication apparatus according to claim 8, further comprising
a first casing; and
a second casing connected to said first casing through a hinge part in a freely foldable manner,

wherein: said first casing incorporates said first ground conductor; said second casing incorporates said second ground conductor; and said hinge part incorporates at least a part of said connection means.

18. (New) The apparatus of claim 2, wherein the conductor line is formed on both a top surface and a bottom surface of the flexible printed circuit board.
19. (New) The apparatus of claim 2, wherein the conductor line is formed on both longitudinal edges of the flexible printed circuit board.